

1/4

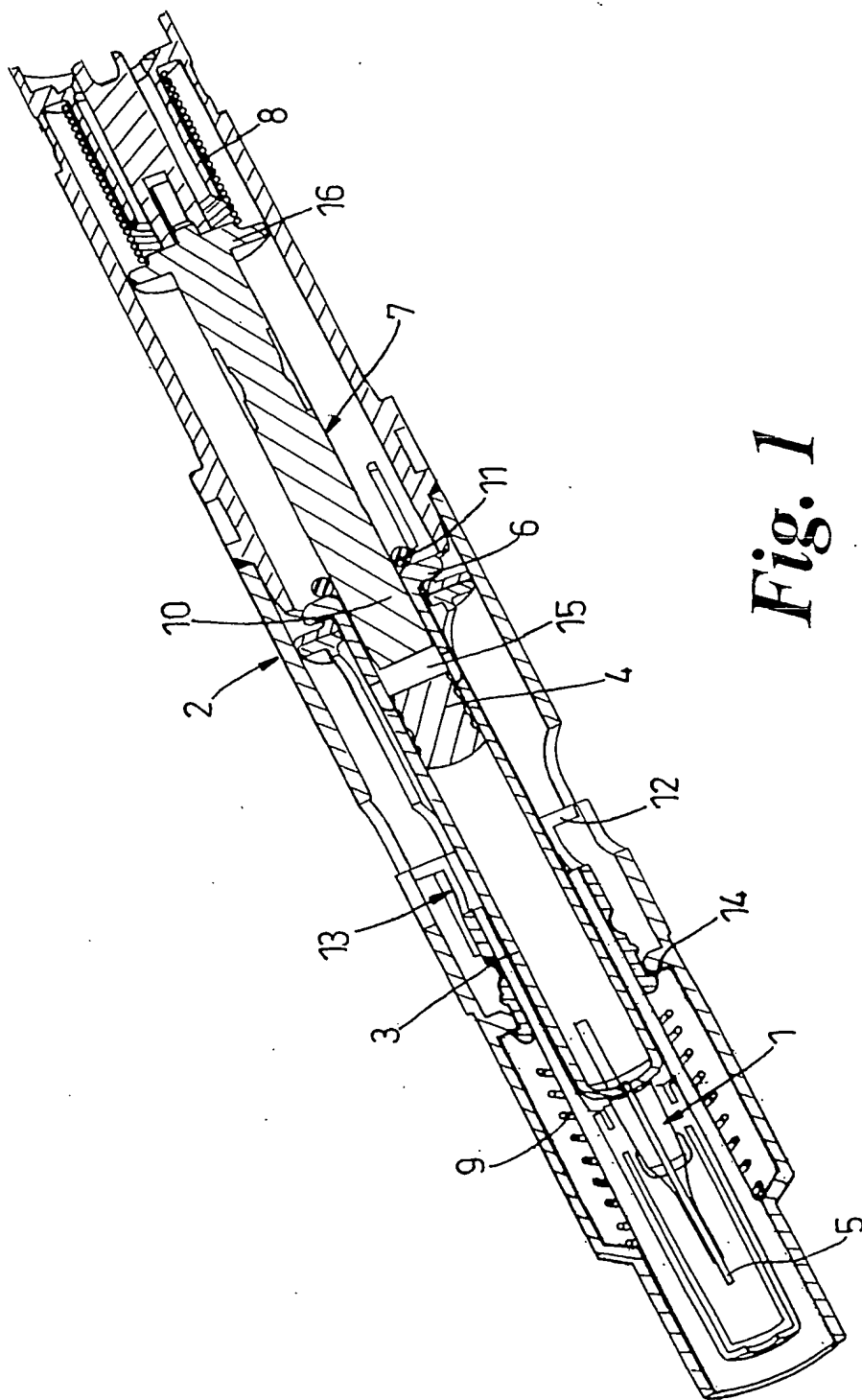


Fig. 1

2/4

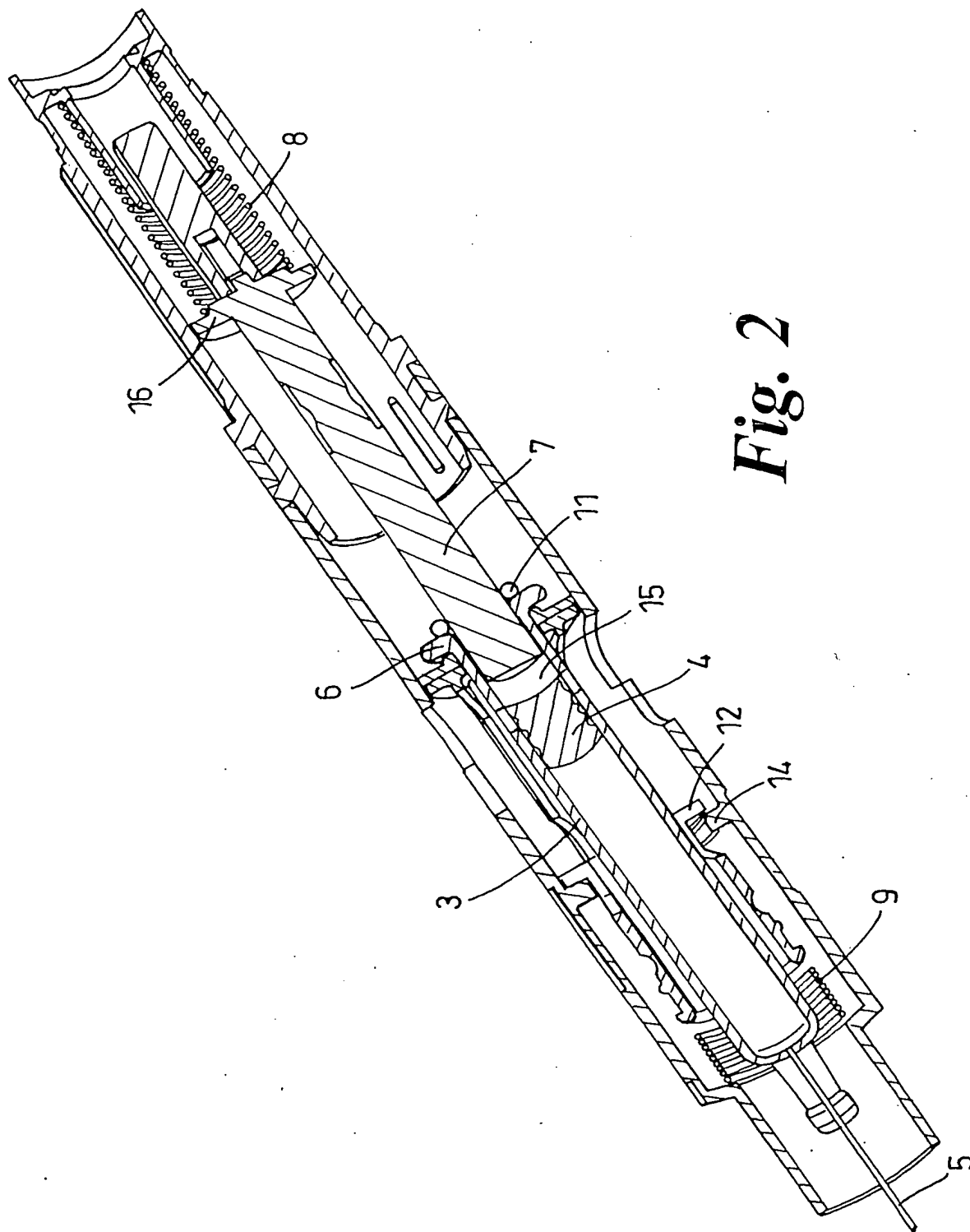


Fig. 2

3/4

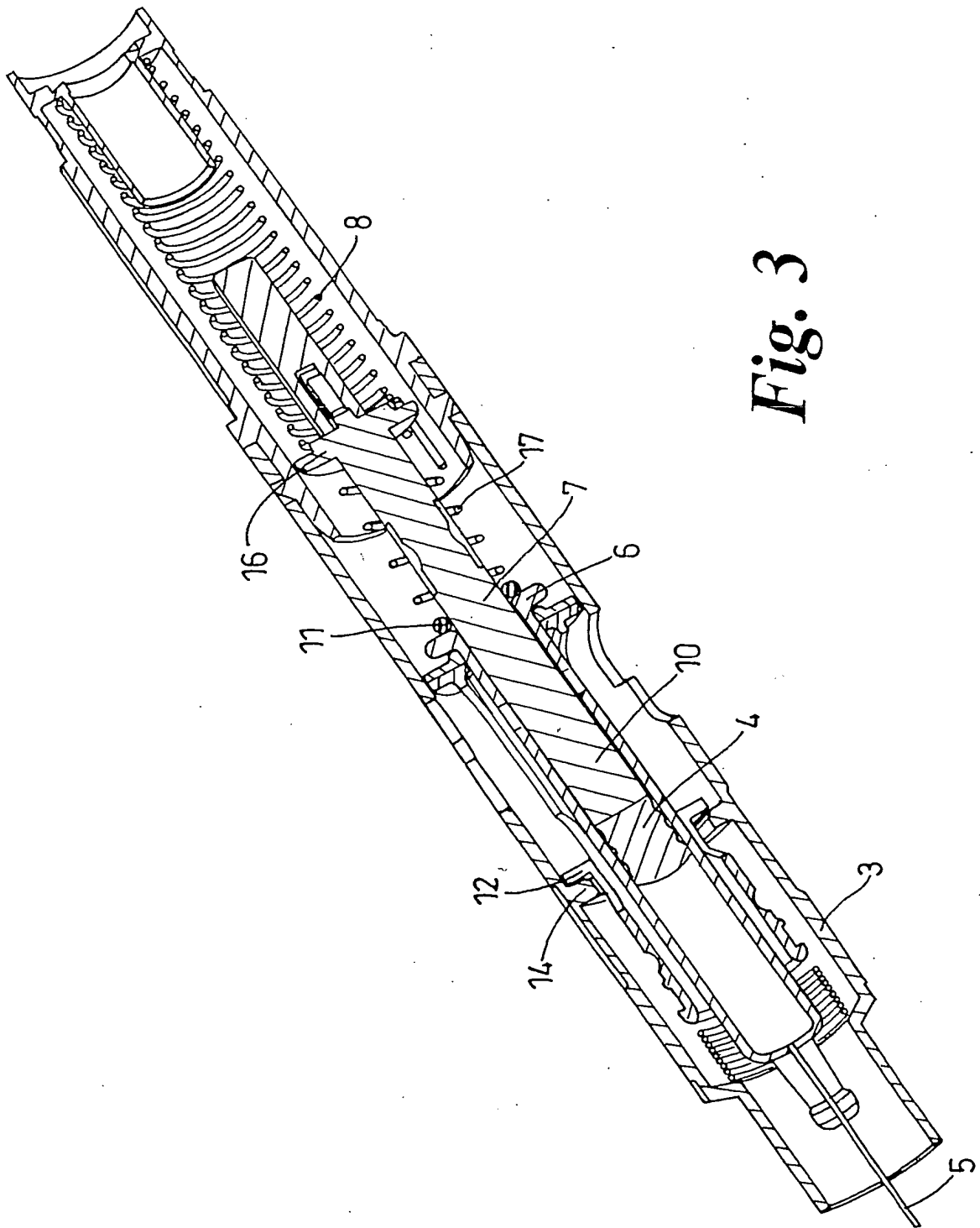


Fig. 3

4/4

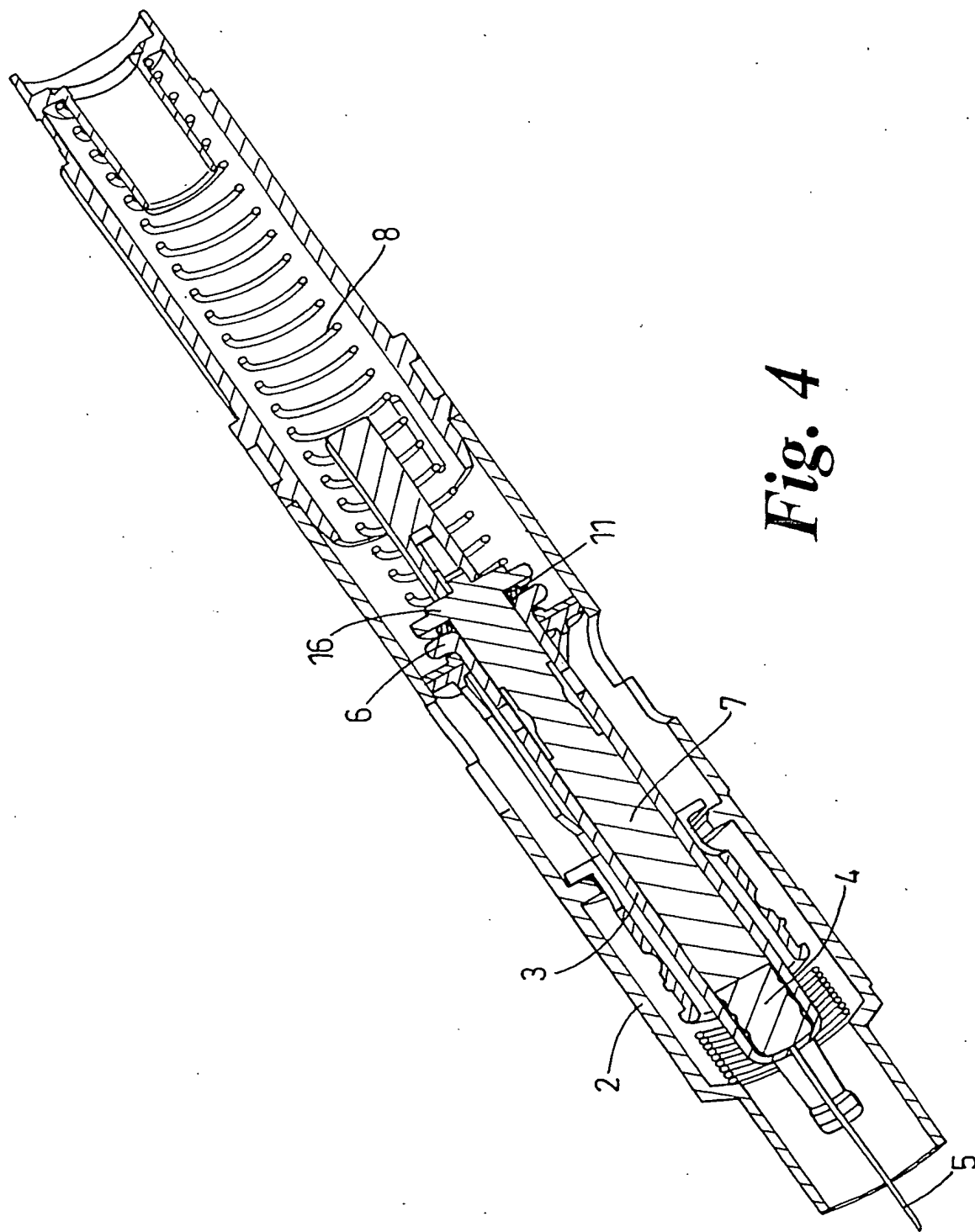


Fig. 4

INTERNATIONAL SEARCH REPORT

International Application No
PC 1/GB2004/002903

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61M5/32 A61M5/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 516 473 A (OWEN MUMFORD LTD) 2 December 1992 (1992-12-02) abstract	1
A	US 5 207 646 A (BRUNEL MARC) 4 May 1993 (1993-05-04) abstract; figures 9-11	1
A	US 4 943 282 A (HAMILTON BENTON W ET AL) 24 July 1990 (1990-07-24) abstract; figures 4A, 4B	1
A	US 4 553 553 A (BAYER GERNOLD ET AL) 19 November 1985 (1985-11-19) abstract	1

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

2 November 2004

Date of mailing of the international search report

10/11/2004

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Nielsen, M

INTERNATIONAL SEARCH REPORT

In: International Application No
PCT/GB2004/002903

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0516473	A	02-12-1992	DE 69208287 D1 DE 69208287 T2 EP 0516473 A1 JP 3292747 B2 JP 5161712 A US 5300030 A	28-03-1996 18-07-1996 02-12-1992 17-06-2002 29-06-1993 05-04-1994
US 5207646	A	04-05-1993	NONE	
US 4943282	A	24-07-1990	US 4923446 A	08-05-1990
US 4553553	A	19-11-1985	AT 13909 T CA 1194395 A1 DE 3360290 D1 EP 0088971 A2 JP 1403481 C JP 58165785 A JP 62009314 B	15-07-1985 01-10-1985 25-07-1985 21-09-1983 09-10-1987 30-09-1983 27-02-1987